

~~CLAIMS:~~

a WHAT IS CLAIMED IS:

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1. A reproducing device (1) for the reproduction of reproduction data (WD) recorded on a magnetic tape (2), having transport means (7) for the transport of the magnetic tape (2) with a normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}), a first trick-play speed (V_{T1}) and at least a second trick-play speed (V_{T2} , V_{T3}), the normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}) corresponding to a recording speed during the recording of the reproduction data (WD) on the magnetic tape (2), and having

reproducing means (13) for the reproduction of normal-play reproduction data (NP1, NP2, NP3, NP4, NP5) recorded on the magnetic tape (2) during transport of the magnetic tape (2) with the normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}), of first trick-play reproduction data (TPD1, TPD6) recorded during transport of the magnetic tape (2) with the first trick-play speed (V_{T1}), and of second trick-play reproduction data (TPD2, TPD3, TPD4, TPD5, TPD7) recorded during transport of the magnetic tape (2) with the second trick-play speed (V_{T2} , V_{T3}),

characterized in that test means (23) have been provided for testing whether during transport of the magnetic tape (2) with the first trick-play speed (V_{T1}) valid first trick-play reproduction data (TPD1, TPD6) is reproduced, and the test means (23) are adapted to supply control information (SI) to the transport means (7) in the absence of reproduced valid first trick-play reproduction data (TPD1, TPD6) during a test interval (T), in order to cause a transport of the magnetic tape (2) with the second trick-play speed (V_{T2} , V_{T3}).

2. A reproducing device (1) as claimed in claim 1, characterized in that the reproducing means (13) are adapted to reproduce reproduction data (WD) recorded on the magnetic tape (2) in accordance with the DVHS standard (D-VHS System Standard, January 1999, MPEG2 STD/HS/LS, Trick Play Format).

3. A reproducing device (1) as claimed in claim 2, characterized in that the second trick-play speed (V_{T3}) corresponds to ± 12 times the normal-play speed (V_{NS}) of the standard mode.

5 4. A reproducing device (1) as claimed in claim 2, characterized in that the normal-play speed (V_N) corresponds to the speed (V_{NS}) of 16.67 ± 0.5 % mm/s (STD mode), the speed (V_{NLS2}) of 8.33 ± 0.5 % mm/s (LS2 mode), the speed (V_{NLS3}) of 5.55 ± 0.5 % mm/s (LS3 mode), the speed (V_{NLS5}) of 3.33 ± 0.5 % mm/s (LS5 mode), the speed (V_{NLS7}) of 2.38 ± 0.5 % mm/s (LS7 mode), or the speed (V_{NHS}) of 33.35 ± 5 % mm/s (HS mode).

10 5. A reproducing device (1) as claimed in claim 2, characterized in that the test means (23) are adapted to check a trick-play speed code (TPV), which is characteristic of trick-play speeds (V_{T1} , V_{T2} , V_{T3}), of a trick-play pack which may be contained in the reproduction data (WD), valid trick-play reproduction data (TPD3, TPD4) being reproducible
15 from the magnetic tape (2) during transport of the magnetic tape (2) with trick-play speeds (V_{T2} , V_{T3}) characterized by said code, and the control information (SI) which can be supplied by the test means (23) characterizes a trick-play speed (V_{T2} , V_{T3}) characterized by the trick-play speed code (TPV) as the second trick-play speed (V_{T2} , V_{T3}).

20 6. A method (25) of reproducing reproduction data (WD) recorded on a magnetic tape (2), the method (25) including the following steps:
moving the magnetic tape (2) with a normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}), or a first trick-play speed (V_{T1}) and or a second trick-play speed (V_{T2} , V_{T3}), the normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}) corresponding to a recording
25 speed during the recording of the reproduction data (WD) on the magnetic tape (2), reproducing normal-play reproduction data (NP1, NP2, NP3, NP4, NP5) recorded on the magnetic tape (2) during transport of the magnetic tape (2) with the normal-play speed (V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS}), and
reproducing, during transport of the magnetic tape (2) with the first trick-play speed (V_{T1}),
30 first trick-play reproduction data (TPD1, TPD6) recorded on the magnetic tape (2), and reproducing, during transport of the magnetic tape (2) with the second trick-play speed (V_{T2} , V_{T3}), second trick-play reproduction data (TPD2, TPD3, TPD4, TPD5, TPD7) recorded on the magnetic tape (2),
characterized in that

it is tested (27, 31, 33) whether during transport of the magnetic tape (2) with the first trick-play speed (V_{T1}) valid first trick-play reproduction data (TPD1, TPD6) is reproduced, and in the absence of reproduced valid first trick-play reproduction data (TPD1, TPD6) during a test interval (T), the magnetic tape (2) is subsequently moved with the second trick-play speed (V_{T2} , V_{T3}).

7. A method (25) as claimed in claim 6, characterized in that it is tested whether a trick-play speed code (TPV), which is characteristic of trick-play speeds (V_{T2} , V_{T3}) is contained in a trick-play pack in the reproduction data (WD), valid trick-play reproduction data (TPD3, TPD4) being reproducible from the magnetic tape (2) during transport of the magnetic tape (2) with trick-play speeds (V_{T2} , V_{T3}) characterized by said code, and in the absence of reproduced valid first trick-play reproduction data (TPD1, TPD6) during a test interval (T) the magnetic tape (2) is subsequently moved with a trick-play speed (V_{T2} , V_{T3}) characterized by the trick-play speed code (TPV) as the second trick-play speed (V_{T2} , V_{T3}).

8. A method (25) as claimed in claim 6, characterized in that in the absence of reproduced valid second trick-play reproduction data (TPD2, TPD3, TPD4, TPD5, TPD7) during a test interval (T) stored OSD image data (PD) is supplied, which data may include index data (ID) contained in reproduction data (WD) reproduced from subcode reproduction areas.